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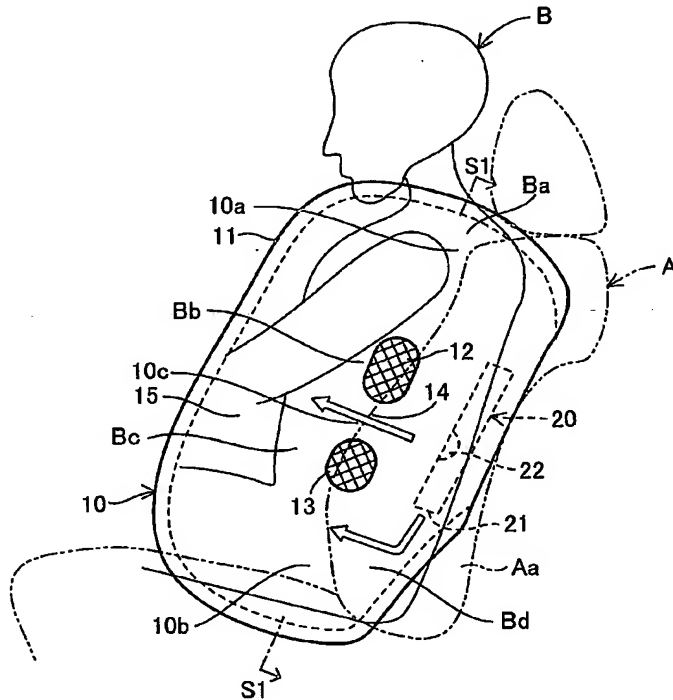
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(54) Title: VEHICLE OCCUPANT PROTECTION DEVICE

(54) 発明の名称: 乗員保護装置



(57) Abstract: A vehicle occupant protection device comprises an air bag body (10) that inflates at a side of an occupant (B) by gas fed from an inflator (20) to protect an area from a shoulder (Ba) to a waist/hip portion (Bd) of the occupant (B). The air bag body (10) has a vertical dimension substantially the same as that of a seatback (Aa). Non-inflation portions (12, 13) are formed at a vertically central portion (10c) of the air bag body (10), or a portion corresponding to a chest (Bb) or a stomach (Bc) of the occupant (B). At a substantially central portion of the air bag body (10) is formed a region that, when the air bag body (10) is inflated, has a smaller thickness in a vehicle width direction than an upper portion (10a) and lower portion (10b) of the air bag body (10), and has its length direction in a direction substantially parallel to the seatback (Aa).

(57) 要約: 乗員保護装置は、インフレーター20から供給されるガスにより乗員Bの側方にて膨張展開して乗員Bの肩部Baから腰部Bdを保護するエアバッグ袋体10を備えていて、このエアバッグ袋体10はシートバックAaと略同一の上下方向寸法を有している。この乗員保護装

置では、エアバッグ袋体10の上下方向中央部分10c、すなわち、乗員Bの胸部Bbや腹部Bcに対応する部分に非膨張部12,13が形成されていて、エアバッ

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2 文字コード及び他の略語については、定期発行される
各 PCT ガゼットの巻頭に掲載されている「コードと略語
のガイダンスノート」を参照。

(81) 指定国 (国内): CN, JP, US.

グ袋体 10 の膨張展開時においてエアバッグ袋体 10 の上部 10a および下部 10b に比して車幅方向の厚みが薄くシート
バック Aa に略平行な方向に長手方向を有する領域がエアバッグ袋体 10 の上下方向略中央部分に形成されている。

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/16517

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ B60R21/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl⁷ B60R21/16-21/32

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2004
Kokai Jitsuyo Shinan Koho 1971-2004 Toroku Jitsuyo Shinan Koho 1994-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/46076 A1 (BREED AUTOMOTIVE TECHNOLOGY INC.), 10 August, 2000 (10.08.00), Full text; Figs. 1 to 11 & JP 2003-501303 A Full text; Figs. 1 to 11	1-25
X	JP 3013763 U (Sensor Technology Co., Ltd.), 18 July, 1995 (18.07.95), Full text; Figs. 1 to 6 (Family: none)	1-25
X	JP 9-136595 A (Tokai Rika Co., Ltd.), 27 May, 1997 (27.05.97), Full text; Figs. 1 to 6 (Family: none)	1-25

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier document but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
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"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

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Authorized officer

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INTERNATIONAL SEARCH REPORT

International application No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 10-315891 A (Kansei Corp.), 02 December, 1998 (02.12.98), Full text; Figs. 1 to 7 (Family: none)	1-25
X	JP 2000-85515 A (Toyota Motor Corp.), 28 March, 2000 (28.03.00), Full text; Figs. 1 to 6 (Family: none)	1-25
X	JP 2002-79861 A (Toyoda Gosei Co., Ltd.), 19 March, 2002 (19.03.02), Full text; Figs. 1 to 10 (Family: none)	1-25
X	JP 2000-272463 A (Daihatsu Motor Co., Ltd.), 03 October, 2000 (03.10.00), Full text; Figs. 1 to 7 (Family: none)	1-25
X	US 5927750 A (Nakamura et al.), 27 July, 1999 (27.07.99), Full text; Figs. 1 to 13 & JP 9-272393 A Full text; Figs. 1 to 13	1-25
P,X	JP 2003-137059 A (Nihon Plast Co., Ltd.), 14 May, 2003 (14.05.03), Full text; Figs. 1 to 5 (Family: none)	1-25
P,X	JP 2004-58860 A (Toyoda Gosei Co., Ltd.), 26 February, 2004 (26.02.04), Full text; Figs. 1 to 18 (Family: none)	1-25
P,X	JP 2003-237520 A (Daihatsu Motor Co., Ltd.), 27 August, 2003 (27.08.03), Full text; Figs. 1 to 6 (Family: none)	1-25
A	JP 2001-163159 A (Daihatsu Motor Co., Ltd.), 19 June, 2001 (19.06.01), Full text; Figs. 1 to 4 (Family: none)	1-25
A	JP 10-287195 A (Otoribu Japan Kabushiki Kaisha), 27 October, 1998 (27.10.98), Full text; Figs. 1 to 6 (Family: none)	1-25